

THE INFLUENCE OF EARLYWOOD AND LATEWOOD UPON THE PROCESSING ROUGHNESS PARAMETERS AT SANDING

L GURĂU - Pro Ligno, 2014 - proligno.ro

Abstract: Sanded wood surfaces contain irregularities caused by both the sanding process and the anatomy, so the anatomical roughness, which is independent of any machining operation, must be excluded from measurements of surface irregularities if the processing ...

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ANALYSIS OF ROUGHNESS OF SANDED OAK AND BEECH SURFACES

L GURĂU - Pro Ligno, 2013 - proligno.ro

Abstract: Sanded wood surfaces contain irregularities caused by both the sanding process and the anatomy, so the anatomical roughness, which is independent of any machining operation, must be excluded from measurements of surface irregularities if the processing ...

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Separation of processing roughness from anatomical irregularities and fuzziness to evaluate the effect of grit size on sanded European oak

H Mansfield-Williams - FOREST PRODUCTS JOURNAL - ccspl.ro

Abstract Sanded wood surfaces contain irregularities due to both the sanding process and the anatomy of the wood specimen. The anatomical roughness, which is independent of machining, must be excluded from any measured data of the surface if the processing ...

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Evaluation of Sanded Wood Surface Roughness with Anatomical Filters

S Sharif, PL Tan - tatiuc.edu.my

Abstract—Sanded wood surface is characterized not only by processing irregularities, but also anatomical irregularities that are inherent from heterogeneous wood structure. The anatomical features could distort the roughness value measured with surface profilometer ...

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QUALITY EVALUATION OF SANDED FIR BRANCH PANELS WITH LONGITUDINAL

L GURAU, M CIONCA, C TIMAR, A OLARESCU - Annals of DAAAM & Proceedings, 2009

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Research on Power Consumption for Sanding Process with Abrasive Brushes to Solid Spruce and MDF Panels

MR Loredana, BL Anne-Marie - Procedia Engineering, 2015 - Elsevier

Abstract The objective of the experimental research presented in this paper was to analyze the relationship between the cutting power and the roughness parameters characterizing the Spruce wood and MDF panel, brush sanded with two grit sizes, namely P180 and P220. ...

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MINIMIZAREA DURATEI DE PROCESARE LA FILTRAREA SUPRAFEIELOR ȘLEFUITE DIN LEMN MASIV CU UN FILTRU GAUSS ROBUST

L Gurău, M Irle, H Mansfield-Williams - Pro Ligno, 2012 - proligno.ro

Abstract: Roughness of a processed surface has to be filtered to remove form errors and waviness. The most common filter, the Gaussian filter, introduces distortions when used on some wood surfaces, whereas the Robust Gaussian Regression Filter (RGRF) does not. ...

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Convergence of the robust Gaussian regression filter applied to sanded wood surfaces

L Gurau, H Mansfield-Williams, M Irle - Wood Science and Technology, 2014 - Springer

Abstract The quality of a sanded wood surface is represented by its roughness, which can be separated from the originally measured data by a procedure of filtering. Past experience has shown that the robust Gaussian regression filter (RGRF) is suitable for wood surfaces ...

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Processing roughness of sanded beech surfaces

L Gurau, C Csiha, H Mansfield-Williams - *European Journal of Wood and ...*, 2015 - Springer

Abstract This paper examines the processing roughness of beech surfaces sanded with 13 grit sizes from P60 to P600 after the separation from wood anatomy and quantifies the biasing effect of wood anatomy when it is not removed. When the anatomy was removed ...

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Comparative Researches on the Roughness of Sanded Wooden Surfaces with Wide Belt and Abrasive Brushes



MR Loredana, BL Anne-Marie - *Procedia Engineering*, 2015 - Elsevier

Abstract The paper presents comparative results of experimental researches on roughness parameters R_k and R_{pk} to sanding surfaces with wide belt and abrasive brush at the beech wood (*Fagus sylvatica* L.). The purpose of the research was to demonstrate that the ...

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